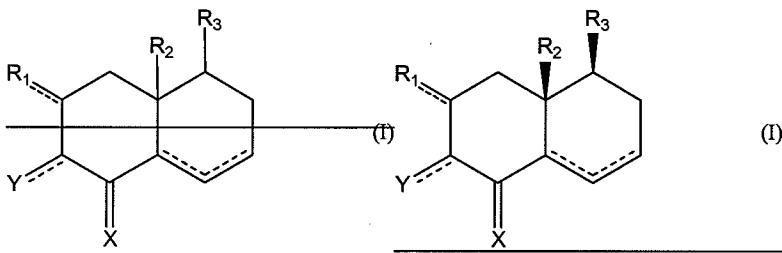


AMENDMENTS TO THE CLAIMS

1.-25. (Canceled)

26. (Currently amended) A method for controlling pests, said method comprising exposing said pests to a pest-controlling effective amount of a compound of formula (I) or a tautomer thereof or a composition comprising at least one compound of formula (I) or a tautomer thereof:



wherein:

X is selected from O, S or N-R<sub>4</sub>;

when \_\_\_\_\_ is a single bond attached to Y, Y is selected from the group consisting of H, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>halo, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>OR<sub>5</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>SR<sub>5</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=O)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=S)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>N(R<sub>4</sub>)<sub>2</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=NR<sub>4</sub>)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NO<sub>2</sub> and [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NR<sub>4</sub>OR<sub>8</sub>;

when \_\_\_\_\_ is a double bond attached to Y, Y is O;

when \_\_\_\_\_ is a single bond attached to R<sub>1</sub>, the substituent R<sub>1</sub> has a stereochemistry syn to substituents R<sub>2</sub> and R<sub>3</sub> and R<sub>1</sub> is selected from the group consisting of H, OH, SH, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkenylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>2</sub>-C<sub>10</sub> alkenyloxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>2</sub>-C<sub>10</sub> alkenylthio, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>halo, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=O)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=S)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>N(R<sub>4</sub>)<sub>2</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=NR<sub>4</sub>)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NO<sub>2</sub> and [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NR<sub>4</sub>OR<sub>8</sub>;

when \_\_\_\_\_ is a double bond attached to R<sub>1</sub>, R<sub>1</sub> is CR<sub>1a</sub>R<sub>1b</sub> wherein R<sub>1a</sub> and R<sub>1b</sub> are independently selected from C<sub>1</sub>-C<sub>10</sub>alkyl;

R<sub>2</sub> and R<sub>3</sub> are independently selected from the group consisting of H, OH, SH, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl,

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C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkenylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>2</sub>-C<sub>10</sub> alkenyloxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>2</sub>-C<sub>10</sub> alkenylthio, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>halo, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=O)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=S)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>N(R<sub>4</sub>)<sub>2</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=NR<sub>4</sub>)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NO<sub>2</sub> and [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NR<sub>4</sub>OR<sub>8</sub>;

each R<sub>4</sub> is independently selected from the group consisting of H, OH, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy and C<sub>2</sub>-C<sub>10</sub> alkenyloxy;

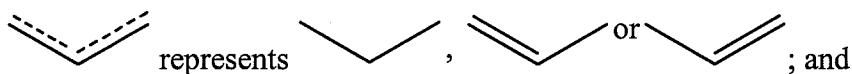
R<sub>5</sub> is selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, (C=O)R<sub>6</sub>, PO<sub>3</sub>R<sub>8</sub>, SO<sub>3</sub>R<sub>8</sub> and SO<sub>2</sub>R<sub>8</sub>;

R<sub>6</sub> is selected from the group consisting of H, OH, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyloxy, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>6</sub>-C<sub>10</sub> aryloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkenyloxy, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>10</sub> heterocyclxyloxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> alkenylthio, C<sub>6</sub>-C<sub>10</sub> arylthio, C<sub>3</sub>-C<sub>6</sub> cycloalkylthio, and C<sub>3</sub>-C<sub>10</sub> heterocyclylthio;

R<sub>7</sub> is selected from the group consisting of H, halogen, OR<sub>5</sub>, SR<sub>5</sub>, N(R<sub>4</sub>)<sub>2</sub>, (C=O)R<sub>6</sub>, (C=S)R<sub>6</sub>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, and NO<sub>2</sub>;

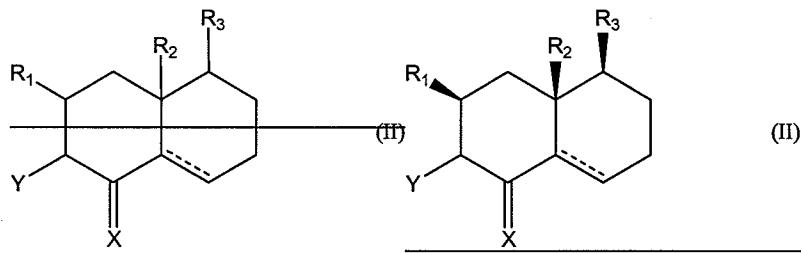
R<sub>8</sub> is selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>5</sub>-C<sub>10</sub> cycloalkylalkenyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl and C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl;

n is 0 or an integer selected from 1 to 5;



wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocyclyl group is optionally substituted.

27. (Currently amended) A method according to claim 26 wherein the compound of formula (I) is a compound of formula (II):



wherein:

X is selected from the group consisting of O, S or N-R<sub>4</sub>;

Y is selected from the group consisting of H, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>halo, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>OR<sub>5</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>SR<sub>5</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=O)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=S)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>N(R<sub>4</sub>)<sub>2</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=NR<sub>4</sub>)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NO<sub>2</sub> and [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NR<sub>4</sub>OR<sub>8</sub>;

R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are independently selected from the group consisting of H, OH, SH, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkenylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>2</sub>-C<sub>10</sub> alkenyloxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>2</sub>-C<sub>10</sub> alkenylthio, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>halo, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=O)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=S)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>N(R<sub>4</sub>)<sub>2</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>(C=NR<sub>4</sub>)R<sub>6</sub>, [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NO<sub>2</sub> and [C(R<sub>7</sub>)<sub>2</sub>]<sub>n</sub>NR<sub>4</sub>OR<sub>8</sub>;

each R<sub>4</sub> is independently selected from the group consisting of H, OH, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy and C<sub>2</sub>-C<sub>10</sub> alkenyloxy;

R<sub>5</sub> is selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, (C=O)R<sub>6</sub>, PO<sub>3</sub>R<sub>8</sub>, SO<sub>3</sub>R<sub>8</sub> and SO<sub>2</sub>R<sub>8</sub>;

R<sub>6</sub> is selected from the group consisting of H, OH, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub>

alkenyloxy, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>6</sub>-C<sub>10</sub> aryloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkenyloxy, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyloxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> alkenylthio, C<sub>6</sub>-C<sub>10</sub> arylthio, C<sub>3</sub>-C<sub>6</sub> cycloalkylthio, and C<sub>3</sub>-C<sub>10</sub> heterocyclylthio;

R<sub>7</sub> is selected from the group consisting of H, halogen, OR<sub>5</sub>, SR<sub>5</sub>, N(R<sub>4</sub>)<sub>2</sub>, (C=O)R<sub>6</sub>, (C=S)R<sub>6</sub>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, and NO<sub>2</sub>;

R<sub>8</sub> is selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>5</sub>-C<sub>10</sub> cycloalkylalkenyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl and C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl;

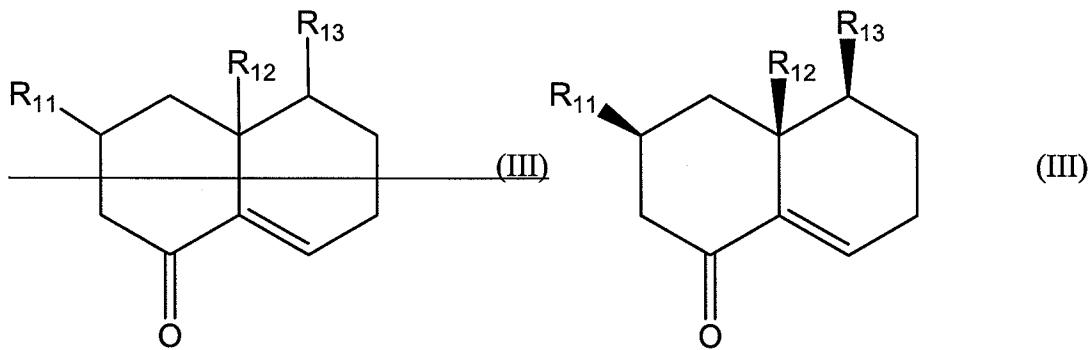
n is 0 or an integer selected from 1 to 5;

----- represents a single or double bond; and

wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocyclyl group is optionally substituted.

28. (Canceled)

29. (Currently amended) A method according to claim 26, wherein at least one compound of formula (I) is a compound of formula (III):



wherein

$R_{11}$  is selected from the group consisting of  $C_2$ - $C_{10}$  alkenyl,  $C_7$ - $C_{12}$  arylalkyl,  $C_6$ - $C_{12}$  heteroarylalkyl and  $C_2$ - $C_{10}$  alkenyloxy wherein each  $C_2$ - $C_{10}$  alkenyl or  $C_2$ - $C_{10}$  alkenyloxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups; and

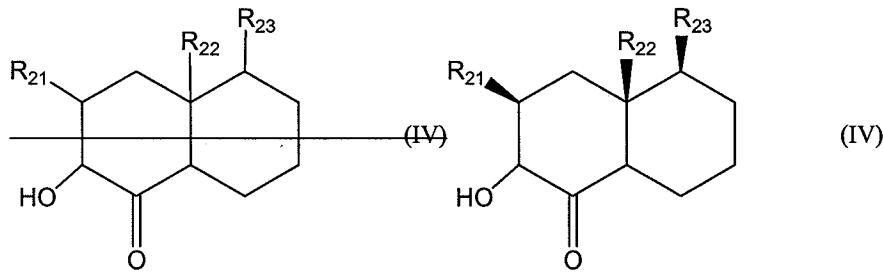
$R_{12}$  and  $R_{13}$  are independently selected from the group consisting of H,  $C_1$ - $C_{10}$  alkyl,  $C_2$ - $C_{10}$  alkenyl,  $C_2$ - $C_{10}$  alkynyl,  $C_6$ - $C_{10}$  aryl,  $C_7$ - $C_{12}$  arylalkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_5$ - $C_{10}$  heteroaryl,  $C_6$ - $C_{12}$  heteroarylalkyl and  $C_1$ - $C_{10}$  alkoxy, wherein each  $C_1$ - $C_{10}$  alkyl and  $C_1$ - $C_{10}$  alkoxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups.

30. **(Previously presented)** A method according to claim 29, wherein  $R_{11}$  is  $C_2$ - $C_{10}$  alkenyl optionally substituted with a hydroxy, nitro or thiol group or 1 to 3 halo groups, and  $R_{12}$  and  $R_{13}$  are independently selected from  $C_1$ - $C_{10}$  alkyl optionally substituted with a hydroxy, nitro or thiol group or 1 to 3 halo groups.

31. **(Previously presented)** A method according to claim 26 wherein at least one compound of formula (I) is eremophilone.

32. **(Canceled)**

33. **(Withdrawn- Currently amended)** A method according to claim 26 wherein at least one compound of formula (I) is a compound of formula (IV):



wherein  $R_{21}$ ,  $R_{22}$  and  $R_{23}$  are independently selected from the group consisting of H, OH, SH,  $C_1$ - $C_{10}$  alkyl,  $C_2$ - $C_{10}$  alkenyl,  $C_2$ - $C_{10}$  alkynyl,  $C_6$ - $C_{10}$  aryl,  $C_7$ - $C_{12}$  arylalkyl,  $C_8$ - $C_{13}$  arylalkenyl,  $C_3$ - $C_6$  cycloalkyl,  $C_3$ - $C_6$  cycloalkenyl,  $C_4$ - $C_{10}$  cycloalkylalkyl,  $C_4$ - $C_{10}$  cycloalkenylalkyl,  $C_3$ - $C_{10}$  heterocyclyl,  $C_4$ - $C_{12}$  heterocyclylalkyl,  $C_5$ - $C_{13}$  heterocyclylalkenyl,  $C_1$ - $C_{10}$  alkoxy,  $C_2$ - $C_{10}$  alkenyloxy,  $C_1$ - $C_{10}$  alkylthio,  $C_2$ - $C_{10}$  alkenylthio,  $[C(R_7)_2]_n$ halo,  $[C(R_7)_2]_n(C=O)R_6$ ,  $[C(R_7)_2]_n(C=S)R_6$ ,  $[C(R_7)_2]_nN(R_4)_2$ ,  $[C(R_7)_2]_n(C=NR_4)R_6$ ,  $[C(R_7)_2]_nNO_2$  and  $[C(R_7)_2]_nNR_4OR_8$ ;

each  $R_4$  is independently selected from the group consisting of H, OH,  $C_1$ - $C_{10}$  alkyl,  $C_2$ - $C_{10}$  alkenyl,  $C_6$ - $C_{10}$  aryl,  $C_7$ - $C_{12}$  arylalkyl,  $C_8$ - $C_{13}$  arylalkenyl,  $C_3$ - $C_6$  cycloalkyl,  $C_3$ - $C_6$  cycloalkenyl,

C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, C<sub>1</sub>-C<sub>10</sub> alkoxy and C<sub>2</sub>-C<sub>10</sub> alkenyloxy;

R<sub>6</sub> is selected from the group consisting of H, OH, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyloxy, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>6</sub>-C<sub>10</sub> aryloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub> cycloalkenyloxy, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> alkenylthio, C<sub>6</sub>-C<sub>10</sub> arylthio, C<sub>3</sub>-C<sub>6</sub> cycloalkylthio, and C<sub>3</sub>-C<sub>10</sub> heterocyclylthio;

R<sub>7</sub> is selected from the group consisting of H, halogen, OR<sub>5</sub>, SR<sub>5</sub>, N(R<sub>4</sub>)<sub>2</sub>, (C=O)R<sub>6</sub>, (C=S)R<sub>6</sub>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl, and NO<sub>2</sub>;

R<sub>8</sub> is selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>8</sub>-C<sub>13</sub> arylalkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>4</sub>-C<sub>10</sub> cycloalkylalkyl, C<sub>5</sub>-C<sub>10</sub> cycloalkylalkenyl, C<sub>3</sub>-C<sub>10</sub> heterocyclyl, C<sub>4</sub>-C<sub>12</sub> heterocyclylalkyl and C<sub>5</sub>-C<sub>13</sub> heterocyclylalkenyl; and

n is 0 or an integer selected from 1 to 5;

wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocyclyl group is optionally substituted.

34. (Withdrawn) A method according to claim 33 wherein R<sub>21</sub> is selected from the group consisting of C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>6</sub>-C<sub>12</sub> heteroarylalkyl and C<sub>2</sub>-C<sub>10</sub> alkenyloxy wherein each C<sub>2</sub>-C<sub>10</sub> alkenyl or C<sub>2</sub>-C<sub>10</sub> alkenyloxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups; and

R<sub>22</sub> and R<sub>23</sub> are independently selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>5</sub>-C<sub>10</sub> heteroaryl, C<sub>6</sub>-C<sub>12</sub> heteroarylalkyl and C<sub>1</sub>-C<sub>10</sub> alkoxy, wherein each C<sub>1</sub>-C<sub>10</sub> alkyl and C<sub>1</sub>-C<sub>10</sub> alkoxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups.

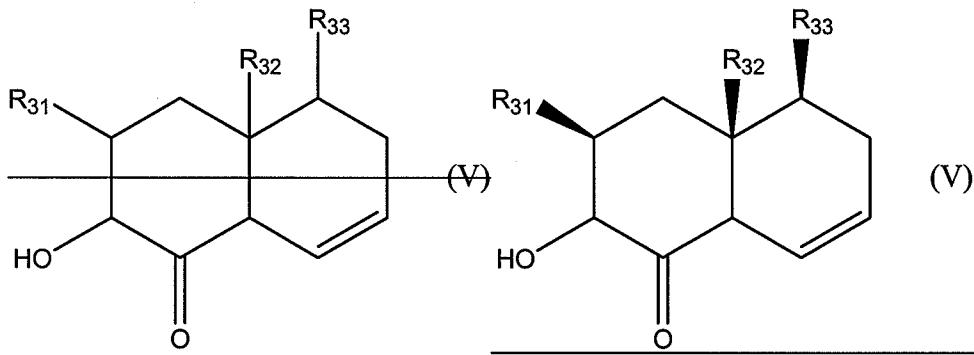
35. (Withdrawn) A method according to claim 34 wherein R<sub>21</sub> is C<sub>2</sub>-C<sub>10</sub> alkenyl, optionally substituted with a hydroxy, thiol or nitro group or 1 to 3 halo groups, and R<sub>22</sub> and R<sub>23</sub>

are independently selected from C<sub>1</sub>-C<sub>10</sub> alkyl, optionally substituted with a hydroxy, thiol or nitro group or 1 to 3 halo groups.

36. **(Withdrawn)** A method according to claim 26 wherein at least one compound of formula (I) is 8-hydroxy-1(10)dihydroeremophilone.

37. **(Canceled)**

38. **(Withdrawn- Currently amended)** A method according to claim 26 comprising at least one compound of formula (V):



wherein R<sub>31</sub> is selected from the group consisting of C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>6</sub>-C<sub>12</sub> heteroarylalkyl and C<sub>2</sub>-C<sub>10</sub> alkenyloxy wherein each C<sub>2</sub>-C<sub>10</sub> alkenyl or C<sub>2</sub>-C<sub>10</sub> alkenyloxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups; and

R<sub>32</sub> and R<sub>33</sub> are independently selected from the group consisting of H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>7</sub>-C<sub>12</sub> arylalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>5</sub>-C<sub>10</sub> heteroaryl, C<sub>6</sub>-C<sub>12</sub> heteroarylalkyl and C<sub>1</sub>-C<sub>10</sub> alkoxy, wherein each C<sub>1</sub>-C<sub>10</sub> alkyl and C<sub>1</sub>-C<sub>10</sub> alkoxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups.

39. **(Withdrawn)** A method according to claim 38 wherein R<sub>31</sub> is C<sub>2</sub>-C<sub>10</sub> alkenyl optionally substituted with a hydroxy, nitro or thiol group or 1 to 3 halo groups, and R<sub>32</sub> and R<sub>33</sub> are independently selected from C<sub>1</sub>-C<sub>10</sub> alkyl optionally substituted with a hydroxy, nitro or thiol group or 1 to 3 halo groups.

40. **(Withdrawn)** A method according to claim 26 wherein at least one compound of formula (I) is 8-hydroxyeremophila-1,11-dienone.

41. **(Previously presented)** A method according to claim 26 wherein the composition comprises an extract containing at least one compound of formula (I) obtained from a volatile oil bearing plant from the Myoporaceae family.

42. (Canceled)

43. (Canceled)

44. (Previously presented) A method according to claim 26 wherein the pest-controlling effective amount is a pesticidally effective amount.

45. (Previously presented) A method according to claim 26 wherein the pest-controlling effective amount is a pest-repelling effective amount.

46. (Previously presented) A method according to claim 26 wherein the pest-controlling effective amount is an antifeedant effective amount.

47. (Previously presented) A method according to claim 26 wherein the pests are selected from the group consisting of insects, arachnids, helminths and molluscs.

48. (Previously presented) A method according to claim 26 wherein the pests are selected from the group consisting of termites, earwigs, cockroaches and wood borer beetles and their larvae.

49. (Previously presented) A method according to claim 26 wherein the pests are wood associated pests.

50. (Previously presented) A method according to claim 49 wherein the wood associated pests are selected from the group consisting of termites and wood borer beetles.

51. (Previously presented) A method according to claim 50 wherein the wood associated pests are termites.

52. (Previously presented) A method according to claim 26 wherein pests are exposed to the pest-controlling effective amount of a compound of formula (I) or a composition comprising at least one compound of formula (I) by applying the compound or composition to a site of infestation, a potential site of infestation, a habitat of the pest or a potential habitat of the pest.

53. (Previously presented) A method according to claim 52 wherein the compound or composition is applied to a surface or impregnated into a material or article of manufacture.

54. (Previously presented) A method according to claim 53 wherein the compound or composition is applied to a surface by spraying, coating or painting the surface.

55. (Previously presented) A method according to claim 54 wherein the surface is a soil surface, timber, buildings, wooden articles of manufacture or a physical barrier.

56. **(Previously presented)** A method according to claim 55 wherein the material or article of manufacture is soil, timber, timber or wooden products or buildings or parts of buildings.

57. **(Previously presented)** A method according to claim 52 wherein the compound or composition is applied in a band or furrow around a site of infestation or potential infestation or is mixed with a layer of soil at a site of infestation or a potential site of infestation.

**58.-78. (Canceled)**

79. **(Previously presented)** A method of combating an already existing wood associated pest infestation comprising applying at least one compound of formula (I) or a tautomer thereof or a composition comprising at least one compound of formula (I) or a tautomer thereof to a wood associated pest affected surface, wherein the compound of formula (I) is as defined in Claim 26.

**80.-82. (Canceled)**